

Title (en)

Pneumatic tyre for passenger cars and method of manufacture thereof

Title (de)

PKW-Reifen und Verfahren zu seiner Herstellung

Title (fr)

Bandage pneumatique pour véhicules de tourisme et son procédé de fabrication

Publication

**EP 0914973 A3 20011010 (EN)**

Application

**EP 98308972 A 19981103**

Priority

JP 30201897 A 19971104

Abstract (en)

[origin: EP0914973A2] A pneumatic tyre for passenger cars which is improved in harshness noise without deteriorating the steering stability is disclosed, wherein a harshness factor HF is set in the range of from 3.2 to 3.5, the harshness factor HF being:  $\frac{1}{K_v} \sqrt{\frac{R_1}{R_2}}$  where R1 is a radius of curvature (mm) of a crown part (Cr) of the tread profile, R2 is a radius of curvature (mm) of shoulder parts (Sh) of the tread profile, and Kv is the vertical spring constant (KN/mm) of the tyre. <IMAGE>

IPC 1-7

**B60C 11/00**; **B60C 3/04**

IPC 8 full level

**B60C 3/00** (2006.01); **B60C 11/00** (2006.01); **B60C 11/01** (2006.01)

CPC (source: EP US)

**B60C 3/00** (2013.01 - EP US); **B60C 11/00** (2013.01 - EP US); **B60C 11/0083** (2013.01 - EP US); **Y10T 152/10495** (2015.01 - EP US)

Citation (search report)

- [X] EP 0346106 A1 19891213 - SUMITOMO RUBBER IND [JP]
- [A] EP 0790142 A1 19970820 - SUMITOMO RUBBER IND [JP]
- [A] EP 0402303 A1 19901212 - GOODYEAR TIRE & RUBBER [US]
- [A] EP 0295898 A1 19881221 - SUMITOMO RUBBER IND [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 526 (M - 1683) 5 October 1994 (1994-10-05)

Cited by

EP1086832A3; WO0069660A1

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**EP 0914973 A2 19990512**; **EP 0914973 A3 20011010**; **EP 0914973 B1 20080917**; DE 69840013 D1 20081030; JP 3425071 B2 20030707; JP H11129704 A 19990518; US 6167932 B1 20010102

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